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Subject Name & Code : Cryptography and Network Security ( PCIT603 ) Exam Name : Q1					
	31.00 F				
1.	In symmetric-key cryptography, the key locks a	and unlocks the box is		[A]	
	A) same	B) shared	C) private	D) public	
2.	The keys used in cryptography are			[D]	
	A) secret key	B) private key	C) public key	D) public	
3.	Cryptography, a word with Greek origins, mean	ns		[B]	
	A) corrupting data	B) secret writing	C) open writing	D) closed writing	
4.	A transposition cipher reorders (permutes) sym	nbols in a		[D]	
	A) block of packets	B) block of slots	C) block of signals	D) block of symbols	
5.	Which is not an objective of network security?			[D]	
	A) identification	B) authentication	C) access control	D) lock	
6.	The process of verifying the identity of a user.			[A]	
	A) authentication	B) identification	C) validation	D) verification	
7.	Which of these is a part of network identification	on?		[ A ]	
	A) user id	B) password	C) otp	D) fingerprint	
8.	The process of transforming plain text into unre	eadable text.		[B]	
	A) decryption	B) encryption	C) network security	D) information hiding	
9.	A process of making the encrypted text readab	ole again.		[ A ]	

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	A) decryption	B)	encryption	C)	network security	D)	information hid	ing
10.	A person who enjoys learning details about co	mpu	ters and how to enhance their capabilities.					[B]
	A) cracker	B)	hacker	C)	app controller	D)	site controller	
11.	A small program that changes the way a comp	uter	operates.					[D]
	A) worm	B)	trojan	C)	bomb	D)	virus	
12.	An asymmetric-key (or public-key) cipher uses	;						[B]
	A) 1 key	B)	2 key	C)	3 key	D)	4 key	
13.	We use cryptofraphy term to transform message	ges t	to make them secure and immune to					[B]
	A) change	B)	idle	C)	attacks	D)	defend	
14.	In cryptography , the original message before	bein	g transformmed , is called					[B]
	A) simple text	B)	plain text	C)	empty text	D)	filled text	
15.	A straight permutation cipher or a straight p-bo	x ha	as the same number of input as					[C]
	A) cipher	B)	frames	C)	outputs	D)	bits	
16.	The man-in-the-middle attack can endanger th	e se	curity of the diffie-hellman if two parties are	not				[A]
	A) authenticated	B)	joined	C)	submit	D)	separate	
17.	What is data encryption standard (DES)?							[D]
	A) block cipher	B)	stream cipher	C)	bit cipher	D)	byte cipher	
18.	Rail Fence Technique is an example of							[B]
	A) substitution	B)	transposition	C)	product cipher	D)	ceaser cipher	
19.	Public key encryption is advantageous over Sy	/mm	etric key Cryptography because of					[C]
	A) speed		space	C)	key exchange	D)	key length	

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20.	The sub key length at each round of DES is							[B]	
	A) 32	B)	56	C)	48	D)	64		
21.	Divide (HAPPY)26 by (SAD)26. We get quotien	ent –						[A]	
	A) KD	B)	LD	C)	JC	D)	MC		
22.	Dividing (11001001) by (100111) gives remain	nder -	-					[D]	
	A) 11	B)	111	C)	101	D)	110		
23.	pi in terms of base 26 is							[C]	
	A) C.DRS	B)	D.SQR	C)	D.DRS	D)	D.DSS		
24.	The time required to convert a k-bit integer to i	its re	presentation in the base 10 in terms of big-	-O n	otation is			[A]	
	A) O(log2 n)	B)	O(log n)	C)	O(log2 2n)	D)	O(2log n)		
25.	In base 26, multiplication of YES by NO gives -	_						[C]	
	A) THWOE	B)	MPAHT	C)	MPJNS	D)	THWAE		
26.	Division of (131B6C3) base 16 by (IA2F) base	e 16 y	eilds –					[D]	
	A) 1AD	B)	DAD	C)	BAD	D)	9AD		
27.	The estimated computations required to crack	ка ра	ssword of 6 characters from the 26 letter a	lpha	bet is-			[A]	
	A) 308915776	B)	11881376	C)	456976	D)	8031810176		
28.	What is the number of keys in conventional cry	yptos	ystem					[D]	
	A) 2	B)	5	C)	0	D)	1		
29.	In Ceaser Cipher the Encrpytion algorithm is C	C =(P	+K)mod26, the K value is					[B]	
	A) 2	B)	3	C)	1	D)	26		
30.	The DES algorithm has a key length of							[C]	

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	A) 128 Bits	B) 32 Bits	C) 64 Bits	D) 16 Bits
31.	Use Caesar's Cipher to decipher the fo	llowing HQFUBSWHG WHAW		[B]
	A) ABANDONED LOCK	B) ENCRYPTED TEXT	C) ABANDONED TEXT	D) ENCRYPTED LOCK
32.	On Encrypting "cryptography" using Vig	[A]		
	A) nlazeiibljji	B) nlazeiibljii	C) olaaeiibljki	D) mlaaeiibljki
33.	The Index of Coincidence for English la	anguage is approximately		[C]
	A) 0.068	B) 0.038	C) 0.065	D) 0.048
34.	If all letters have the same chance of b	eing chosen, the IC is approximately		[D]
	A) 0.065	B) 0.035	C) 0.048	D) 0.038
35.	A symmetric cipher system has an IC c	of 0.041. What is the length of the key 'm	'?	[D]
	A) 1	B) 3	C) 2	D) 5
36.	Caesar Cipher is an example of			[B]
	A) Poly alphabetic	B) Mono alphabetic	C) Multi alphabetic	D) Bi-alphabetic
37.	Monoalphabetic ciphers are stronger th	an Polyalphabetic ciphers because frequ	uency analysis is tougher on the former.	[B]
	A) TRUE	B) FALSE	C) True(or)False	D) one of the other
38.	Which are the most frequently found le	tters in the English language ?		[C]
	A) e,a	В) е,о	C) e,t	D) e,i
39.	Choose from among the following ciphe	er systems, from best to the worst, with r	respect to ease of decryption using frequency analysis.	[C]
	A) Plaintext, Playfair	B) Playfair, Vignere	C) Vignere, Playfair, Plaintext	D) Plaintext
40.	The Index of Coincidence is –			[D]
	A) 0.065	B) 0.048	C) 0.067	D) 0.044

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41.	Which of the following cipher is created by shu	ufflin	g the letters of a word?					[B]
	A) substitution cipher	B)	transposition cipher	C)	mono alphabetic	D)	poly alphabetic	
42.	Which of the following is not a type of transpos	sitior	n cipher?					[C]
	A) Rail fence cipher	B)	Columnar transposition	C)	One time pad	D)	Route cipher	
43.	Which of the following is not a type of mono al	phal	petic cipher?					[D]
	A) additive cipher	B)	multiplicative cipher	C)	afffine cipher	D)	hill cipher	
44.	Route cipher falls under the category of?							[C]
	A) mono-alphabetic	B)	poly-alphabetic	C)	transposition	D)	additive	
45.	Which of the following ciphered text would have	e us	sed transposition cipher for encryption of the	e pla	nin text "SANFOUNDRY"?			[D]
	A) SSCMBNUMERY	B)	TBMGPVOESZ	C)	UCNHQWPFTA	D)	SNONRAFUDY	
46.	Which of the following is a type of transposition	n cip	her?					[A]
	A) Rail Fence cipher	B)	Hill cipher	C)	Rotor cipher	D)	One time pad	
47.	In which of the following cipher the plain text a	nd tl	he ciphered text have same set of letters?					[B]
	A) one time pad	B)	columnar transposition	C)	playfair	D)	additive	
48.	What will be the encrypted text corresponding	to p	lain text "SANFOUNDRY" using rail fence o	iphe	er with key value given to be 2?			[A]
	A) SNONRAFUDY	B)	SORAFUDYNN	C)	SNAUDNORFY	D)	SANFOUNDRY	
49.	What will be the encrypted text corresponding "GAMES"?	to p	lain text "SANFOUNDRY" using columnar t	rans	sposition cipher with the keyword as			[D]
	A) SNONRAFUDY	B)	SORAFUDYNN	C)	SNAUDNORFY	D)	ANFRSUNDOY	
50.	Combining transposition cipher with substitution	on ci	pher improves its strength?					[ A ]
	A) TRUE	B)	FALSE	C)	True(or)False	D)	none of the other	er
51.	What does security protect?							[A]

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	A) data	B)	internet systems	C)	hackers	D)	None of the mentioned
52.	Who is the father of computer security?						[A]
	A) August Kerckhoffs	B)	Bob Thomas	C)	Robert	D)	Charles
53.	Which of the following is defined as an atten information?	npt to	steal, spy, damage or destroy computer sy	stem	ns, networks, or their associated		[A]
	A) Cyber attack	B)	Computer security	C)	Cryptography	D)	Digital hacking
54.	Which of the following is a type of cyber sec	urity?					[D]
	A) Cloud Security	B)	Network Security	C)	Application Security	D)	All of the mentioned
55.	What are the features of cyber security?						[D]
	A) Compliance	B)	Threat Prevention	C)	internal threats	D)	All of the mentioned
56.	Which of the following is an objective of network security?						[D]
	A) Confidentiality	B)	Integrity	C)	Availability	D)	All of the mentioned
57.	Which of the following is not a cybercrime?						[D]
	A) Denial of Service	B)	Man in the Middle	C)	Malware	D)	AES
58.	Which of the following is a component of cyber security?						
	A) Internet Of Things	B)	Al	C)	Database	D)	Attacks
59.	Which of the following is a type of cyber atta	ck?					[D]
	A) Phishing	B)	SQL Injections	C)	Password Attack	D)	All of the mentioned
60.	"Cyberspace" was coined by						[B]
	A) Richard Stallman	B)	William Gibson	C)	Andrew Tannenbaum	D)	Scott Fahlman
61.	A is a sequential segment of the array of integers.	mem	ory location that is allocated for containing	som	e data such as a character string or	an	[D]

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	A) stack	B) queue	C)	external storage	D)	buffer	
62.	How many types of buffer-overflow attack are	there?					[B]
	A) 4	B) 2	C)	5	D)	3	
63.	is a widespread app's coding	mistake made by developers which could be ex	крlоі	ted by an attacker for gaining access			[B]
	A) Memory leakage	B) Buffer-overrun	C)	Less processing power	D)	Inefficient progr	ramming
64.	Buffer-overflow is also known as						[ A ]
	A) buffer-overrun	B) buffer-leak	C)	memory leakage	D)	data overflow	
65.	. Buffer-overflow may remain as a bug in apps	s if are not done fully.					[C]
	A) boundary hacks	B) memory checks	C)	boundary checks	D)	buffer checks	
66.	Applications developed by programming langu	uages like and have this common b	uffe	r-overflow error.			[C]
	A) C, Ruby	B) Python, Ruby	C)	C, C++	D)	Tcl, C#	
67.	Old operating systems like and NT-ba	ased systems have buffer-overflow attack a con	ımoı	n vulnerability.			[D]
	A) Windows 7	B) Chrome	C)	IOS12	D)	UNIX	
68.	In a _attack, the extra data that holds some sp tester to crack the system.	pecific instructions in the memory for actions is p	oroje	ected by a cyber-criminal or penetration			[C]
	A) Phishing	B) MiTM	C)	Buffer-overflow	D)	Clickjacking	
69.	attack is the exploitation of the	web-session & its mechanism that is usually m	ana	ged with a session token.			[B]
	A) Session Hacking	B) Session Hijacking	C)	Session Cracking	D)	Session Compr	romising
70.	The most commonly used session hijacking at	ttack is the					[C]
	A) IP hacking	B) IP spooling	C)	IP spoofing	D)	IP tracking	
71.	are required because HTTP uses a lot of di connections.	iverse TCP connections, so, the web server nee	∍ds a	a means to distinguish every user's			[D]

82. In affine block cipher systems if f(m)=Am + t, what is f(m1+m2+m3)?

A) f(m1) + f(m2) + f(m3) + t

B) f(m1) + f(m2) + f(m3) + 2t

C) f(m1) + f(m2) + f(m3)

D) 2(f(m1) + f(m2) + f(m3))

If the block size is 's', how many affine transformations are possible?

A) 2s (2s-1)(2s-1)(2s-12)......(2s-1(s-1)) B) 2s (2s-1)(2s-2)(2s-22)......(2s-2(s-2))

C) 2ss (2s-1)(2s-2)(2s-22).....(2s-2(s-1)

D) 2s (2s-1)(2s-2)(2s-22).....(2s-2(s-

[C]

[C]

[A]

[B]

[C]

[C]

[A]

[B]

[B]

84. What is the number of possible kevs in ceaser cipher?

A) 26

B) 126

C) 3

D) 48

If the key is 110100001, the output of the SP network for the plaintext: 101110001 is

A) 110100011

B) 110101110

C) 10110111

D) 11111010

[A] If the key is 110100001 where, If ki=0, then S i (x)=((1 1 0 | 0 1 1 | 1 0 0 ))x+((1 1 1)) and If ki=1, then S i (x)=((0 1 1 | 1 0 1 | 1 0 0 ))x+((0 1 1 1))then the output of the SP network for the plaintext: 101110001 is

A) 10110011

B) 111000011

C) 110110111

D) 10110110

87. Which of the following ciphers is a block cipher?

A) caeser cipher

B) Playfair, Vignere

C) playfair cipher

D) none of the mentioned

Which of the following ciphers uses asymmetric key cryptography?

A) rail fence cipher

B) DES

C) diffie hellman cipher

D) none of the mentioned

Block ciphers accumulate symbols in a message of a . .

A) fixed size

B) variable size

C) integration

D) All of the mentioned

With symmetric key algorithms, the key is used for the encryption and decryption of data.

A) different

B) same

C) a and b

D) none of the mentioned

91. Cipher in cryptography is –

A) Encrypted message

B) Algorithm for performing encryption and C) a and b decryption

Decrypted message

B) DATA

B) 1046

A) Public-key cryptography

A) 512 bits

101. What is the block size of plain text in SHA- 512 algorithm?

C) 2048 bits

C) Public-key cryptography & DATA

D) none o the mentioned

[B]

D) none o the mentioned

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102.	How many sub-keys in the total are used by the	ie Dl	ES for encrypting the plain text into cipherte	xt?			[ A ]		
	A) 16 sub- keys	B)	48 sub- keys	C)	52 sub- keys	D)	Only one key and no subkeys		
103.	Decryption algorithms are divided into two cate	egor	es based on the				[B]		
	A) Output type	B)	Input type	C)	Process type	D)	All of the mentioned		
104.	Cipher block chaining or CBC is an advancem	ent ı	made on				[A]		
	A) Electronic Code Book	B)	Decrypted code	C)	System engineering	D)	All of the mentioned		
105.	Cipher Feedback Mode is given as feedback t	o the	e of encryption with some new specific	atio	ns.		[A]		
	A) Next block	B)	Previous block	C)	Middle block	D)	All of the mentioned		
106.	To encrypt the plaintext, a cryptographic algor	ithm	works in combination with a key				[A]		
	A) Word, number, or phrase	B)	Special Symbols	C)	Function Keys	D)	All of the mentioned		
107.	A mechanism used to encrypt and decrypt dat	a.					[A]		
	A) Cryptography	B)	DATA	C)	Data flow	D)	none o the mentioned		
108.	Modren cryptography also known as encryp	tion.					[A]		
	A) asymmetric-key	B)	logical-key	C)	symmetric-key	D)	none o the mentioned		
109.	The Playfair cipher is an example of a						[A]		
	A) Conventional cryptosystem	B)	Asymmetric cryptosystem	C)	Caesar's cryptosystem	D)	Public key cryptosystem		
110.	Using Rivest, Shamir, Adleman cryptosystem	with	p=7 and q=9. Encrypt M=24 to find cipherte	ext.	The Ciphertext is:		[C]		
	A) 42	B)	93	C)	114	D)	103		
111.	Which of the following is a mode of operation to	or th	ne Block ciphers in cryptography?				[D]		
	A) Electronic Code Book	B)	Cipher Block Chaining (CBC)	C)	Counter (CTR) mode	D)	All of the mentioned		
112.	For which of the following should EBC (Electron	nic	Code Book) process not be used for encryp	tion	?		[C]		

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	A) For large block sizes	B) For fixed block sizes	C)	For small block sizes	D)	none o the mentioned
113.	In Cipher block chaining mode, the current pla	intext block is added to the				[A]
	A) Previous ciphertext block	B) Next ciphertext block	C)	Middle ciphertext block	D)	none o the mentioned
114.	How many modes of operation are there in in I	DES and AES?				[C]
	A) 4	B) 3	C)	2	D)	5
115.	There is a dependency on the previous 's' bits	in every stage in CFB mode. Here 's' can range	e fro	m		[B]
	A) 8-16 bits	B) 8-32 bits	C)	4-16 bits	D)	16 Bits
116.	Which of the following modes does not implem	nent chaining or "dependency on previous stage	cor	mputations"?		[A]
	A) CTR, ECB	B) CTR, CFB	C)	CFB, OFB	D)	ECB, OFB
117.	Cryptographic hashing provides a barrier to po	tential				[A]
	A) Attackers	B) Sender	C)	Receiver	D)	none o the mentioned
118.	Find the 8-bit word related to the polynomial x6	3 + x + 1				[A]
	A) 1000011	B) 1000110	C)	10100110	D)	11001010
119.	How many step function do Round 1 and 2 each	ch have in S-AES?				[A]
	A) 4 and 3	B) either 4	C)	1 and 4	D)	3 and 4
120.	The output of the previous question, on passin	g through "nibble substitution" gets us the outp	ut			[C]
	A) 3267	B) 1344	C)	64C0	D)	CA37
121.	How many round keys are generated in the AE	ES algorithm?				[A]
	A) 11	B) 10	C)	8	D)	12
122.	AES uses a bit block size and a	key size of bits.				[D]
	A) 128; 128 or 256	B) 64; 128 or 192	C)	256; 128, 192, or 256	D)	128; 128, 192, or 256

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Which one of the following is not a cryptograph	nic a	lgorithm- JUPITER, Blowfish, RC6, Rijndae	el an	d Serpent?			[A]
A) JUPITER	B)	Blowfish	C)	Serpent	D)	Rijndael	
What is the expanded key size of AES-192?							[C]
A) 44 words	B)	36 words	C)	52 words	D)	38 words	
The 4×4 byte matrices in the AES algorithm ar	e ca	lled					[A]
A) States	B)	Words	C)	Transitions	D)	Permutations	
For the AES-128 algorithm there are	si	milar rounds and round is differe	ent.				[B]
•				8 ; the first and last	D)	10 ; no	
For an inputs key of size 128 bits constituting of	of all	zeros, what is w(7) ?					[A]
A) {62 63 63 63}	B)	{62 62 62 62}	C)	{00 00 00 00}	D)	{63 63 63 62}	
There is no secret key in case of	_						[A]
A) Asymmetric ciphers	B)	symmetric	C)	RSA encryption	D)	Alpha-numeric	cryptography
uses the concept of pseudo-random se	eque	nce.					[A]
A) Stream cipher	B)	DES encryption	C)	Caesar cipher	D)	Block cipher	
How many bits are there for random bits and e	error	detection bits in the case of DES block cipl	ners	?			[B]
A) 72, 1024	B)	56, 8	C)	104, 45	D)	32, 198	
which is most frequently used letter in english							[C]
A) letter "I"	B)	letter"t"	C)	letter "e"	D)	letter "z"	
Among the following given options, chose the	stror	ngest encryption technique?					[D]
A) DES		•	C)	Triple DES	D)	AES	
What is the full-form of RSA in the RSA encryp	otion	technique?					[B]
	Which one of the following is not a cryptograph A) JUPITER  What is the expanded key size of AES-192? A) 44 words  The 4×4 byte matrices in the AES algorithm and A) States  For the AES-128 algorithm there are A) 2 pair of 5 similar rounds; every alternate  For an inputs key of size 128 bits constituting of A) {62 63 63 63}  There is no secret key in case of A) Asymmetric ciphers  uses the concept of pseudo-random second A) Stream cipher  How many bits are there for random bits and each 72, 1024  which is most frequently used letter in english A) letter "I"  Among the following given options, chose the A) DES	Which one of the following is not a cryptographic a A) JUPITER B)  What is the expanded key size of AES-192? A) 44 words B)  The 4×4 byte matrices in the AES algorithm are ca A) States B)  For the AES-128 algorithm there are	A) JUPITER  B) Blowfish  What is the expanded key size of AES-192?  A) 44 words  B) 36 words  The 4×4 byte matrices in the AES algorithm are called  A) States  B) Words  For the AES-128 algorithm there are similar rounds and round is differed alternate  For an inputs key of size 128 bits constituting of all zeros, what is w(7)?  A) {62 63 63 63}  B) 662 62 62 62}  There is no secret key in case of  A) Asymmetric ciphers  B) symmetric  uses the concept of pseudo-random sequence.  A) Stream cipher  B) DES encryption  How many bits are there for random bits and error detection bits in the case of DES block ciphed and the case o	Which one of the following is not a cryptographic algorithm- JUPITER, Blowfish, RC6, Rijndael an A) JUPITER B) Blowfish C)  What is the expanded key size of AES-192? A) 44 words B) 36 words C)  The 4×4 byte matrices in the AES algorithm are called A) States B) Words C)  For the AES-128 algorithm there are similar rounds and round is different. A) 2 pair of 5 similar rounds; every B) 9; the last C)  For an inputs key of size 128 bits constituting of all zeros, what is w(7)? A) {62 63 63 63} B) {62 62 62 62} C)  There is no secret key in case of A) Asymmetric ciphers B) symmetric C)  — uses the concept of pseudo-random sequence. A) Stream cipher B) DES encryption C)  How many bits are there for random bits and error detection bits in the case of DES block ciphers A) 72, 1024 B) 56, 8 C)  which is most frequently used letter in english A) letter "I" B) letter"t" C)  Among the following given options, chose the strongest encryption technique? A) DES B) Double DES C)	Which one of the following is not a cryptographic algorithm- JUPITER, Blowfish, RC6, Rijndael and Serpent?  A) JUPITER  B) Blowfish  C) Serpent  What is the expanded key size of AES-192?  A) 44 words  B) 36 words  C) 52 words  The 4×4 byte matrices in the AES algorithm are called  A) States  B) Words  C) Transitions  For the AES-128 algorithm there are similar rounds and round is different.  A) 2 pair of 5 similar rounds; every  B) 9; the last  C) 8; the first and last  For an inputs key of size 128 bits constituting of all zeros, what is w(7)?  A) (62 63 63 63)  B) (62 62 62 62)  C) (00 00 00 00)  There is no secret key in case of  A) Asymmetric ciphers  B) symmetric  L one are there for random sequence.  A) Stream cipher  B) DES encryption  C) Caesar cipher  How many bits are there for random bits and error detection bits in the case of DES block ciphers?  A) 72, 1024  B) 56, 8  C) 104, 45  which is most frequently used letter in english  A) letter "I"  B) letter"t"  C) letter "e"  Among the following given options, chose the strongest encryption technique?  A) DES  C) Triple DES	Which one of the following is not a cryptographic algorithm-JUPITER, Blowfish, RC6, Rijndael and Serpent?  A) JUPITER  B) Blowfish  C) Serpent  D)  What is the expanded key size of AES-192? A) 44 words  B) 36 words  C) 52 words  D)  The 4×4 byte matrices in the AES algorithm are called A) States  B) Words  C) Transitions  D)  For the AES-128 algorithm there are similar rounds and round is different. A) 2 pair of 5 similar rounds; every B) 9; the last  C) 8; the first and last  D)  For an inputs key of size 128 bits constituting of all zeros, what is w(7)? A) (62 63 63 63)  B) 62 62 62 62  C) (00 00 00 00)  There is no secret key in case of a) Asymmetric ciphers  B) symmetric  C) RSA encryption  D)  How many bits are there for random bits and error detection bits in the case of DES block ciphers? A) 72, 1024  B) 56, 8  C) 104, 45  D)  Among the following given options, chose the strongest encryption technique? A) DES  B) Double DES  C) Triple DES  D)	Which one of the following is not a cryptographic algorithm—JUPITER, Blowfish, RC6, Rijndael and Serpent?  A) JUPITER  B) Blowfish  C) Serpent  D) Rijndael  What is the expanded key size of AES-1927  A) 44 words  B) 36 words  C) 52 words  D) 38 words  The 4×4 byte matrices in the AES algorithm are called  A) States  B) Words  C) Transitions  D) Permutations  For the AES-128 algorithm there are similar rounds and round is different.  A) 2 pair of 5 similar rounds; every alternate  For an inputs key of size 128 bits constituting of all zeros, what is w(7)?  A) (62 63 63 63)  B) (62 62 62 62)  C) (00 00 00 00)  D) (63 63 63 62)  There is no secret key in case of  A) Asymmetric ciphers  B) symmetric  C) RSA encryption  D) Alpha-numeric uses the concept of pseudo-random sequence.  A) Stream cipher  B) DES encryption  C) Caesar cipher  D) Block cipher  How many bits are there for random bits and error detection bits in the case of DES block ciphers?  A) 72, 1024  B) 56, 8  C) 104, 45  D) 32, 198  which is most frequently used letter in english  A) letter "I"  B) letter" C) letter "e"  D) letter "2"  Among the following given options, chose the strongest encryption technique?  A) Apis DES  D) AES

	Subject Name & Code : Cryptography and Network	Ex	Exam Name : Q1			
	A) Round Security Algorithm	B) Rivest, Shamir, Adleman	C)	Rivest, Shamir, Azahar	D)	None of the mentioned
134.	Codes and ciphers are different ways to	_ a message.				[C]
	A) Encrypt	B) Decrypt	C)	A and B	D)	All of the mentioned
135.	Decryption is a process to unveil the					[B]
	A) Unsecured data	B) secured	C)	Insecure	D)	None of the mentioned
136.	Which of the following is /are offered by the H	ash functions?				[D]
	A) Authentication	B) Non repudiation	C)	Data Integrity	D)	All of the mentioned
137.	Which of the following is not a property of Has	sh Function?				[D]
	A) Pre-Image Resistance	B) Compression	C)	Fixed Length Output	D)	None of the mentioned
138.	) A cryptographic hash function is an equation	used to verify the of data.				[B]
	A) Variety	B) Validity	C)	Veracity	D)	None of the mentioned
139.	Hash functions are used in and have varia	able levels of complexity and difficulty.				[C]
	A) System approach	B) Cyber safe	C)	Cryptography	D)	None of the mentioned
140.	Cryptographic hashing provides a					[ A ]
	A) integrity	B) secrecy	C)	avalablity	D)	None of the mentioned
141.	How many sub-keys in the total are used by the	ne IDEA for encrypting the plain text into cipher	ext?	,		[C]
	A) 64 sub- keys	B) 48 sub- keys	C)	52 sub- keys	D)	Only one key and no subkeys
142.	Encryption algorithms are divided into two cat	egories based on the				[B]
	A) Output type	B) data type	C)	Process type	D)	All of the mentioned
143.	Cipher stream chaining or CBC is an advance	ement made on				[A]
	A) Electronic Code Book	B) Decrypted code	C)	System engineering	D)	All of the mentioned

154. What is the size of the key in the SDES algorithm?

[D]